

FIG. 1

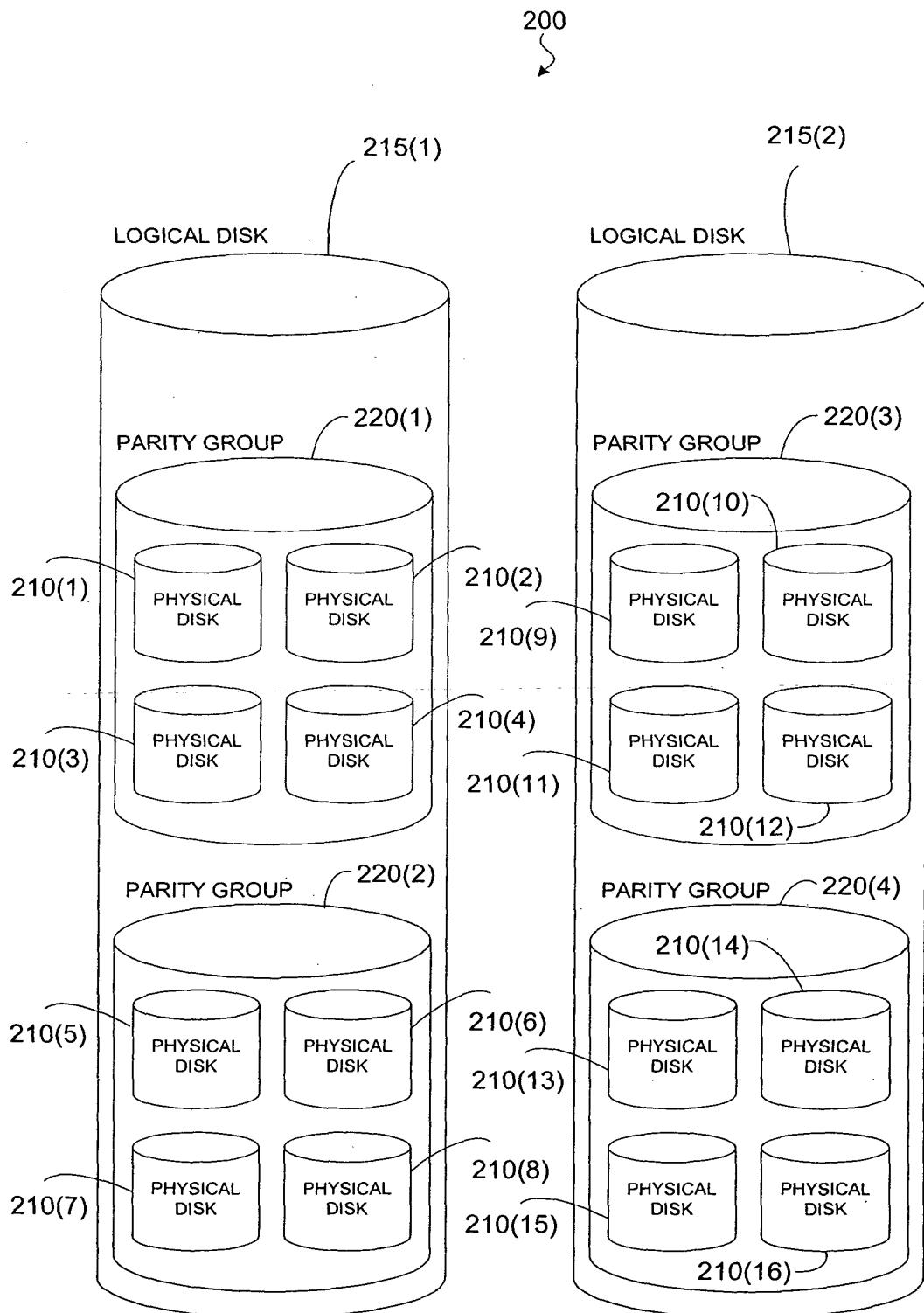


FIG. 2

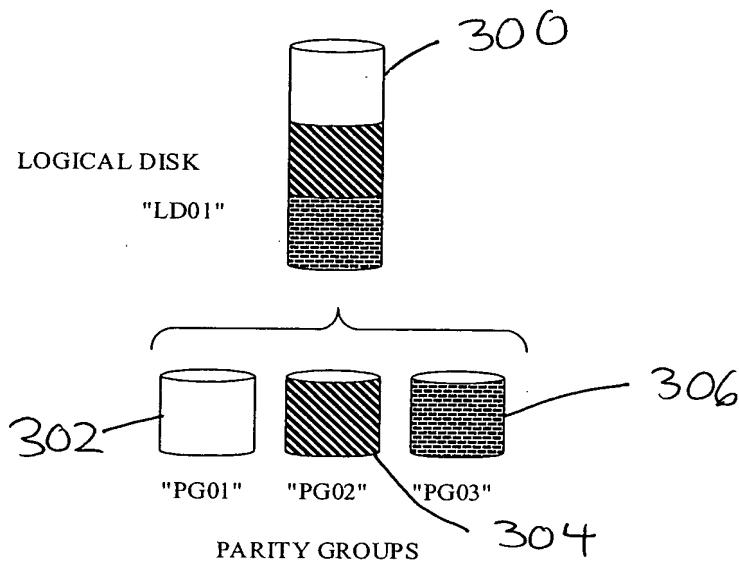


FIG. 3A

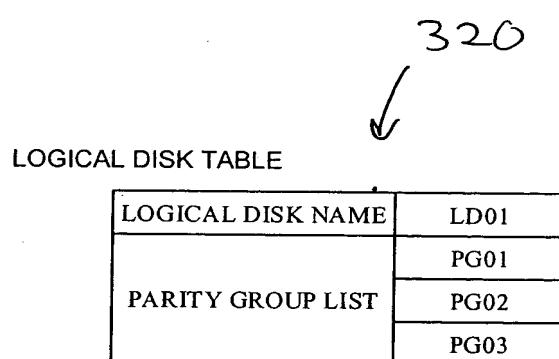


FIG. 3B

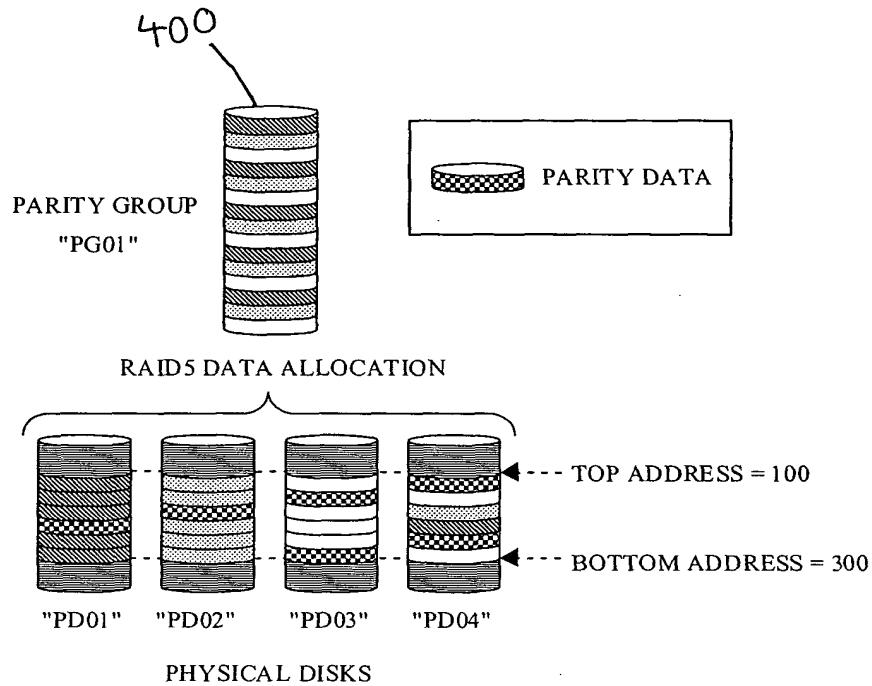


FIG. 4A

PARITY GROUP TABLE

PARITY GROUP NAME	PG01	422
RAID LEVEL	5	424
TOP ADDRESS	100	428
BOTTOM ADDRESS	300	
PHYSICAL DISK LIST	PD01 PD02 PD03 PD04	426
STATUS	STABLE	430

FIG. 4B

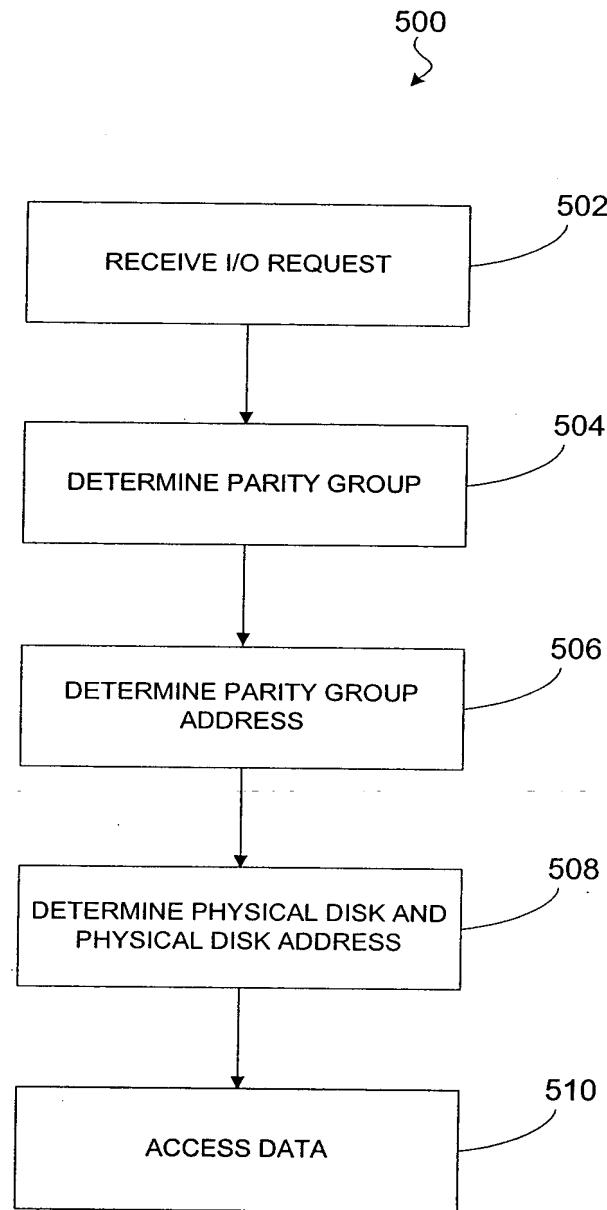


FIG. 5

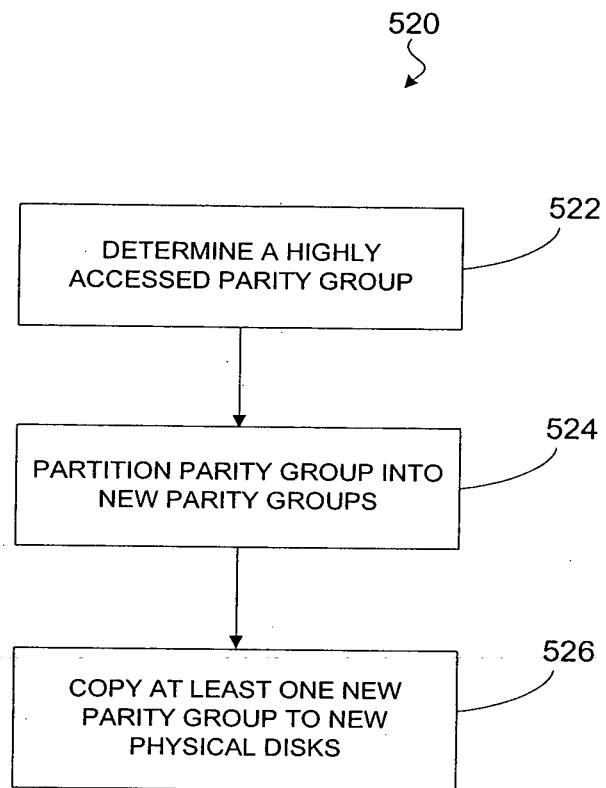


FIG. 6

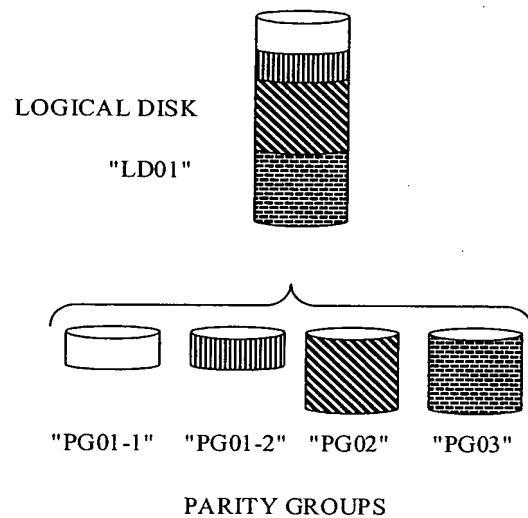


FIG. 7A

320
↓

LOGICAL DISK NAME	LD01
	PG01-1
PARITY GROUP LIST	PG01-2
	PG02
	PG03

FIG. 7B

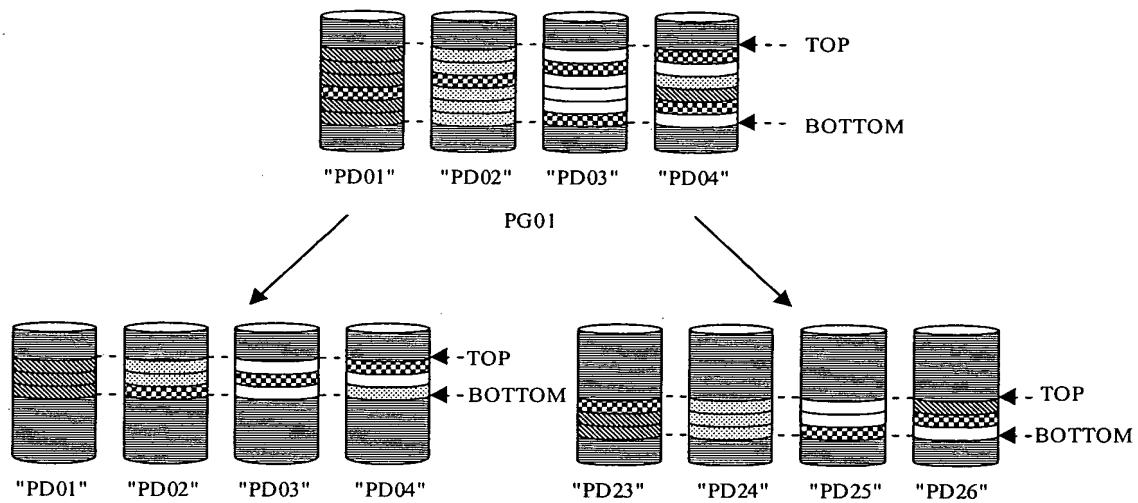


FIG. 8A

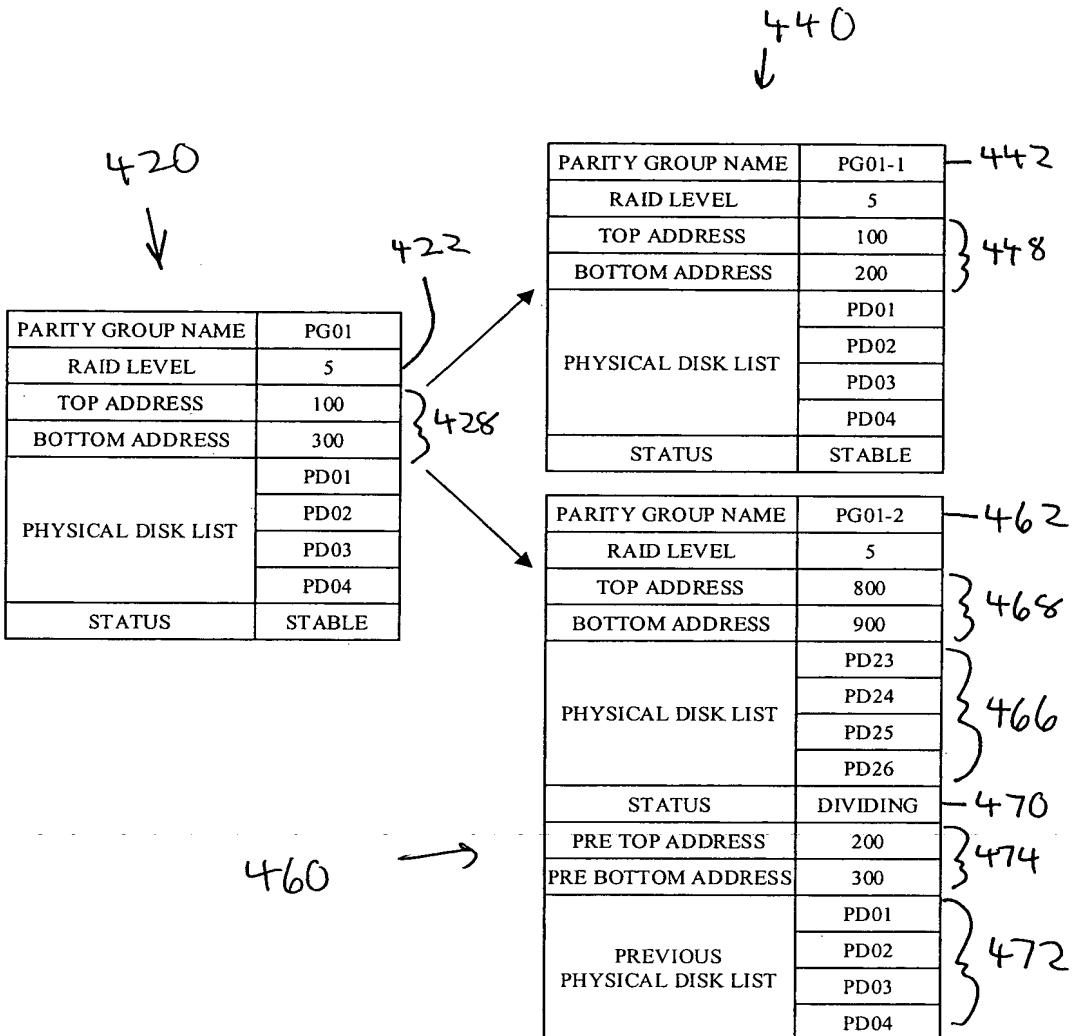


FIG. 8B

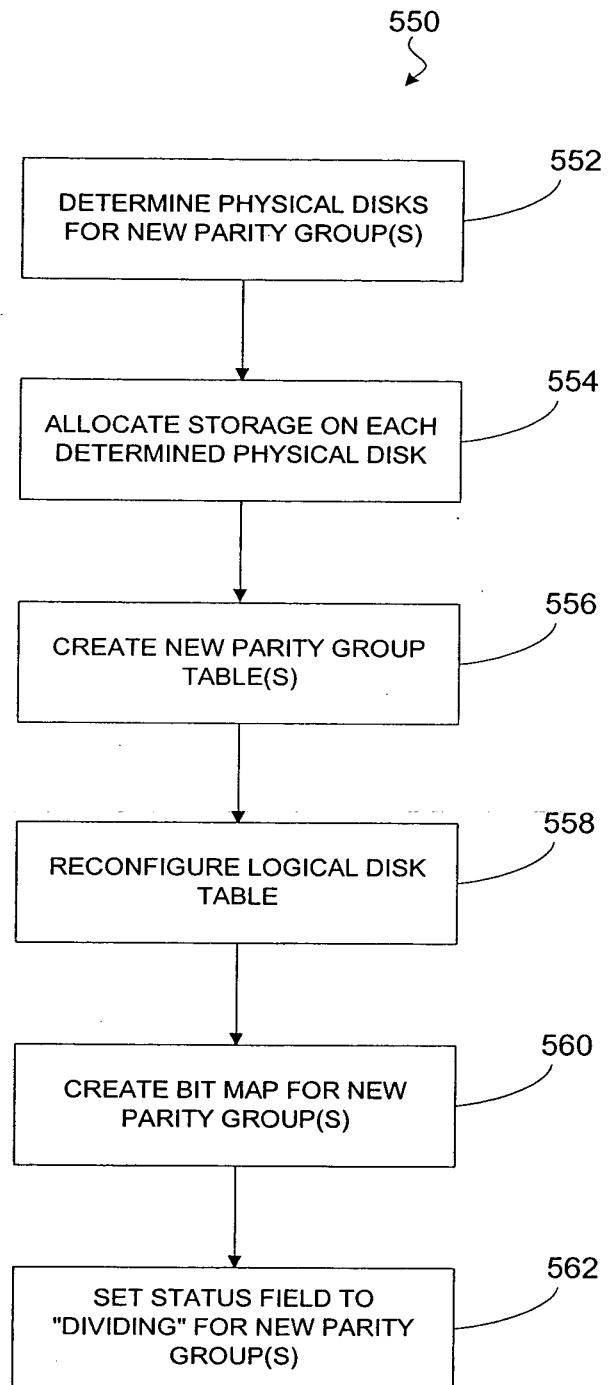


FIG. 9

490
↓

PARITY GROUP NAME	# OF I/O'S
PG01	65536
PG02	20
PG03	4

FIG. 10

540
↓

PG NAME	BIT MAP								
	BLOCK #	1	2	3	4	5	6	7	8
PG01-2	COPIED ?	Y	N	N	N	Y	Y	N	Y

FIG. 11

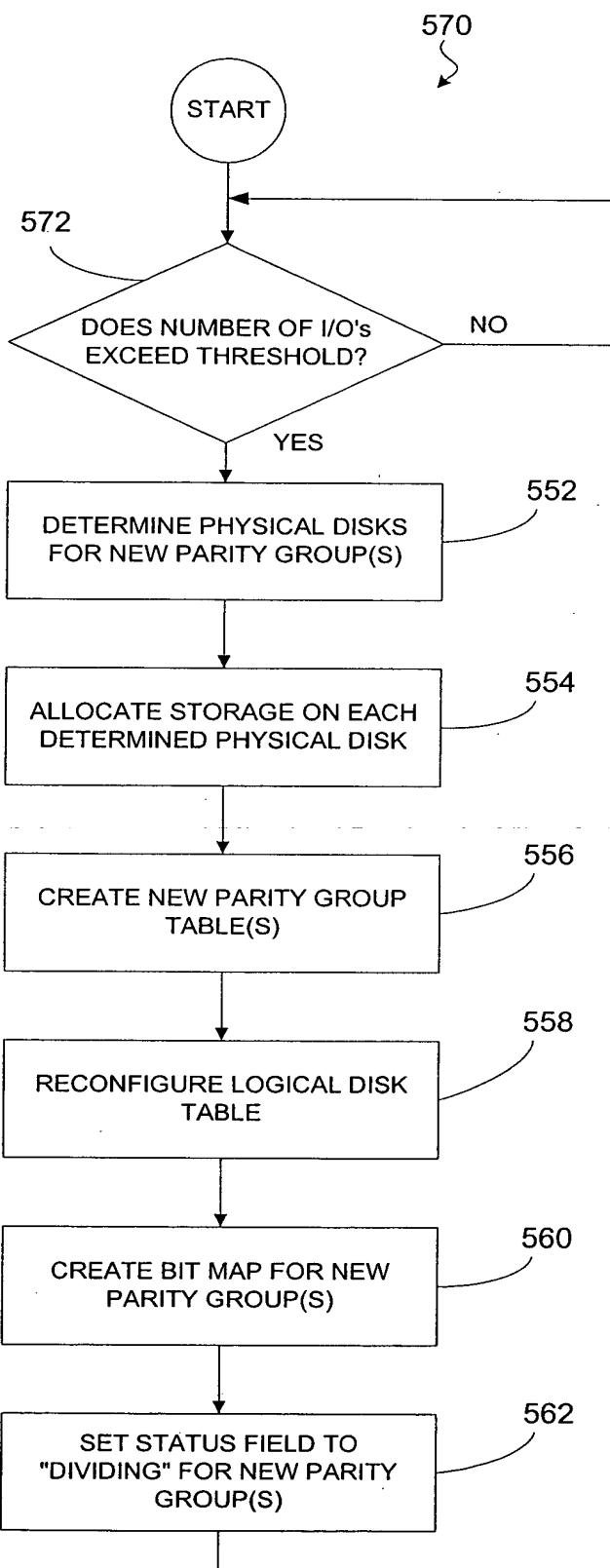
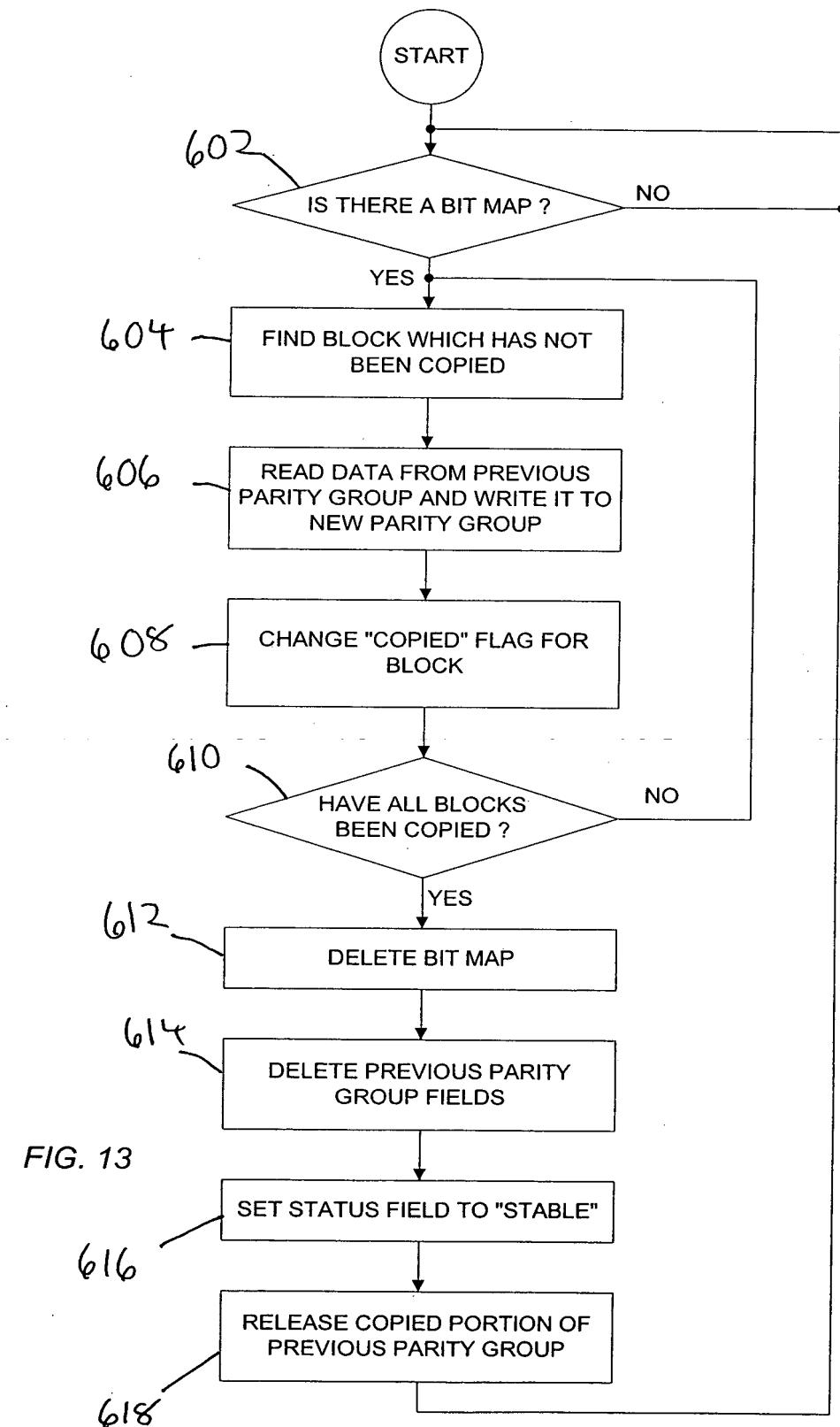


FIG. 12



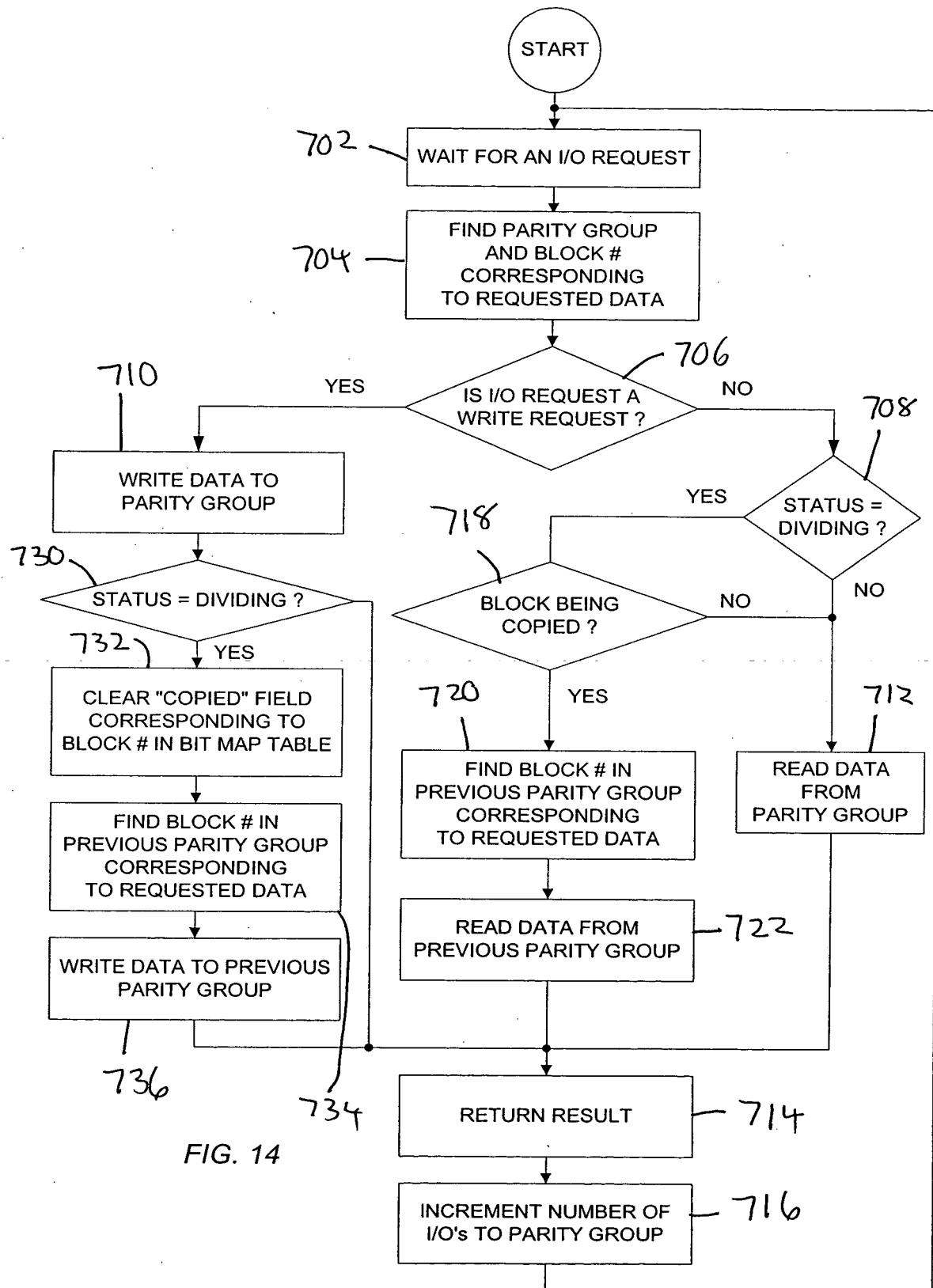


FIG. 14

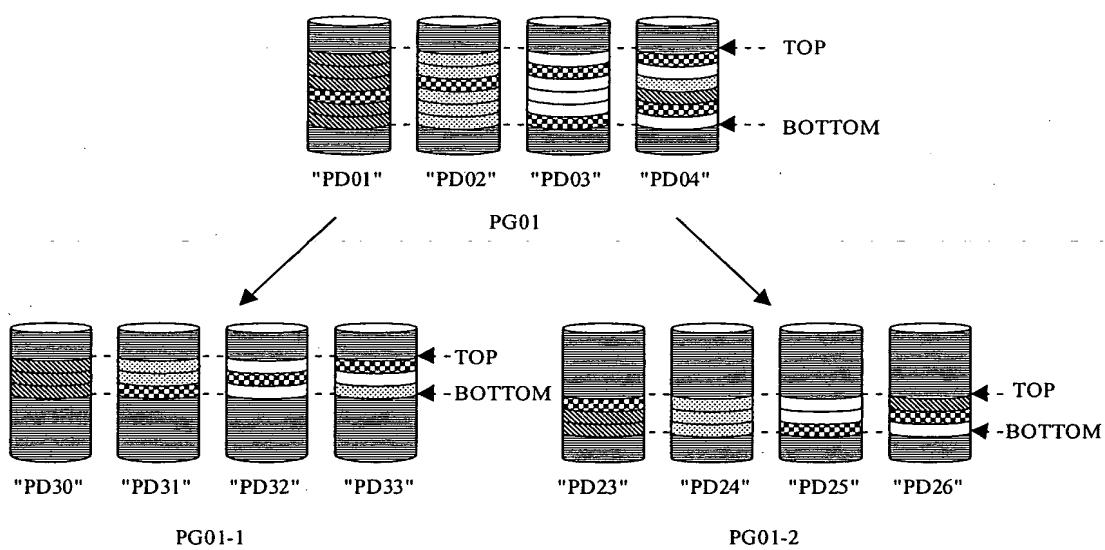


FIG. 15A

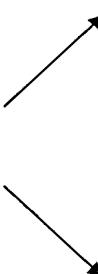
740
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PARITY GROUP NAME	PG01-1
RAID LEVEL	5
TOP ADDRESS	100
BOTTOM ADDRESS	200
	PD30
	PD31
	PD32
	PD33
PHYSICAL DISK LIST	
STATUS	DIVIDING
PRE TOP ADDRESS	100
PRE BOTTOM ADDRESS	200
	PD01
	PD02
	PD03
	PD04
PREVIOUS PHYSICAL DISK LIST	

PARITY GROUP NAME	PG01
RAID LEVEL	5
TOP ADDRESS	100
BOTTOM ADDRESS	300
	PD01
	PD02
	PD03
	PD04
PHYSICAL DISK LIST	
STATUS	STABLE

PARITY GROUP NAME	PG01-2
RAID LEVEL	5
TOP ADDRESS	800
BOTTOM ADDRESS	900
	PD23
	PD24
	PD25
	PD26
PHYSICAL DISK LIST	
STATUS	DIVIDING
PRE TOP ADDRESS	200
PRE BOTTOM ADDRESS	300
	PD01
	PD02
	PD03
	PD04
PREVIOUS PHYSICAL DISK LIST	

420
 ↓



760 →

FIG. 15B

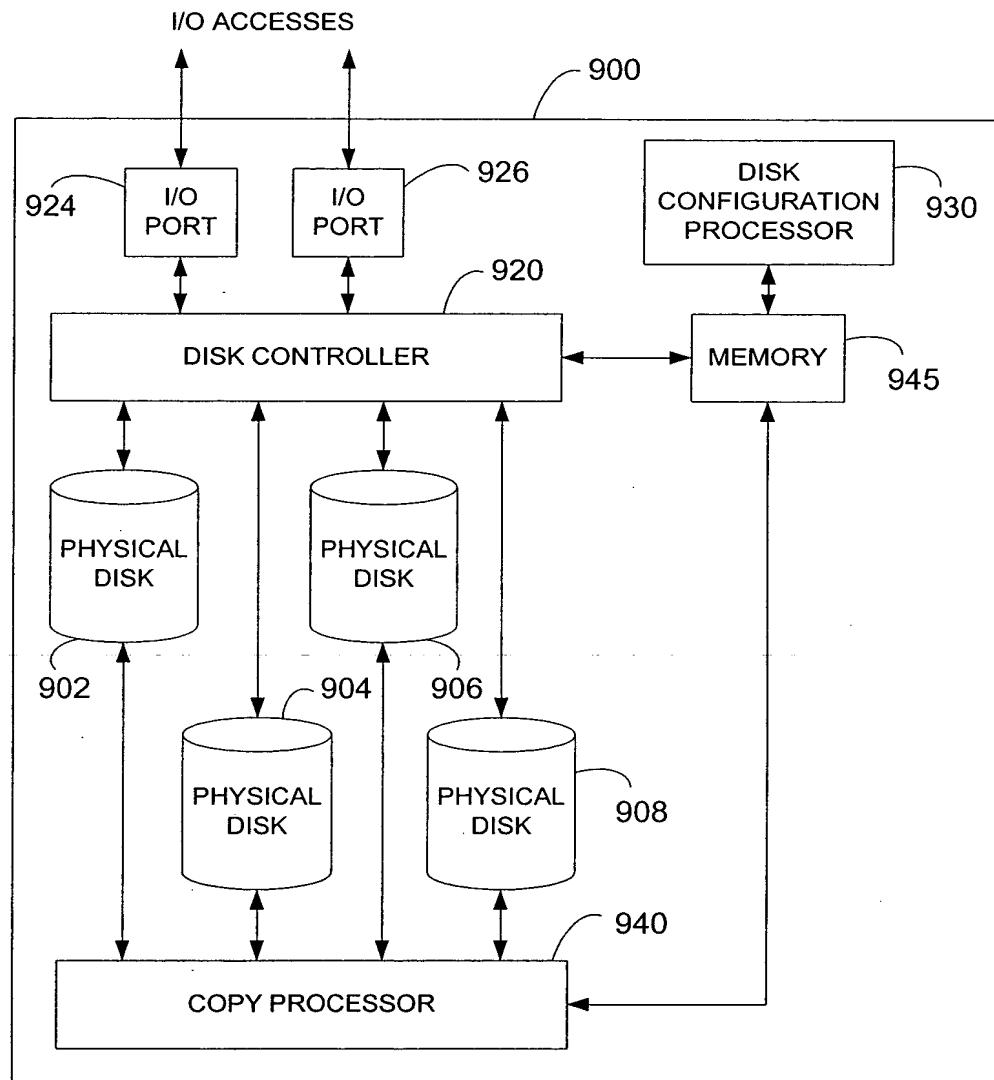


FIG. 16